

Abstract of the Disclosure

Disclosed is a method and apparatus to develop user behavioral profiles of specific transaction access patterns for authorized users within computer application software, operating systems, network operating systems and firewall systems, and to monitor the on-
5 going activity of the subject user to detect unusual transaction activity. The method and apparatus may be used for early detection of “trusted users” that deviate from their normal and routine access of files and transactions supported by the specific application. Alert messages are then issued. The apparatus may then allow application administrators to determine if the activity should be authorized, and allow for this specific transaction activity to impact the
10 profile so further alerts are avoided. The method and software tools may include a transaction activity harvester, a transaction parser, an analytical profile builder, a client identity builder, a transaction identification builder of transactions within an application, and a monitoring and alert system.